

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptayvv1621

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	3	OCT 19	BEILSTEIN updated with new compounds
NEWS	4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	5	NOV 19	WPIX enhanced with XML display format
NEWS	6	NOV 30	ICSD reloaded with enhancements
NEWS	7	DEC 04	LINPADOCDB now available on STN
NEWS	8	DEC 14	BEILSTEIN pricing structure to change
NEWS	9	DEC 17	USPATOLD added to additional database clusters
NEWS	10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	11	DEC 17	DGENE now includes more than 10 million sequences
NEWS	12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	13	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS	14	DEC 17	CA/CAPplus enhanced with new custom IPC display formats
NEWS	15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	16	JAN 02	STN pricing information for 2008 now available
NEWS	17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	19	JAN 28	MARPAT searching enhanced
NEWS	20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	22	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS	23	FEB 08	STN Express, Version 8.3, now available
NEWS	24	FEB 20	PCI now available as a replacement to DPCI
NEWS	25	FEB 25	IFIREF reloaded with enhancements
NEWS	26	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	27	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:16:35 ON 19 MAR 2008

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 15:17:21 ON 19 MAR 2008

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STRUCTURE FILE UPDATES: 18 MAR 2008 HIGHEST RN 1008796-87-9

DICTIONARY FILE UPDATES: 18 MAR 2008 HIGHEST RN 1008796-87-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10584221-limited-halogeneation.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1

MULTIPLE ROLE QUERIES ARE NOT ALLOWED IN A NON-REACTION FILE

=> file casreact

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.30

2.51

FILE 'CASREACT' ENTERED AT 15:20:16 ON 19 MAR 2008

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FILE CONTENT:1840 - 15 Mar 2008 VOL 148 ISS 12

New CAS Information Use Policies, enter HELP USAGETERMS for details.

```
*****
*
*      CASREACT now has more than 13.8 million reactions      *
*
*****
```

Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l1

SAMPLE SEARCH INITIATED 15:20:22 FILE 'CASREACT'
SCREENING COMPLETE - 517 REACTIONS TO VERIFY FROM 35 DOCUMENTS

100.0% DONE 517 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED VERIFICATIONS: 8977 TO 11703
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1 (0 REACTIONS)

=> s l1 full

FULL SEARCH INITIATED 15:20:27 FILE 'CASREACT'
SCREENING COMPLETE - 8713 REACTIONS TO VERIFY FROM 711 DOCUMENTS

100.0% DONE 8713 VERIFIED 20 HIT RXNS 1 DOCS
SEARCH TIME: 00.00.04

L3 1 SEA SSS FUL L1 (20 REACTIONS)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	117.96	120.47

FILE 'CAPLUS' ENTERED AT 15:20:40 ON 19 MAR 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 19 Mar 2008 VOL 148 ISS 12
FILE LAST UPDATED: 18 Mar 2008 (20080318/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> d l3 ibib abs hit str 1-
YOU HAVE REQUESTED DATA FROM FILE 'CASREACT' - CONTINUE? (Y)/N:y

'STR' IS NOT A VALID FORMAT FOR FILE 'CASREACT'

The following are valid formats:

ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE, Single-step Reactions
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data
CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data
DALL ----- ALL, delimited (end of each field identified)
IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IND ----- Indexing data
IPC ----- International Patent Classifications
ISTD ----- STD, indented with text labels
OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

MAX ----- Same as ALL
PATS ----- PI, SO
SCAN ----- TI and FCRD (random display, no answer number. SCAN must be entered on the same line as DISPLAY, e.g., D SCAN.)
SSRX ----- Single-Step Reactions (Map, Diagram, and Summary for all single-step reactions)
STD ----- BIB, IPC, and NCL

CRD ----- Compact Display of All Hit Reactions
CRDREF ----- Compact Reaction Display and SO, PY for Reference
FHIT ----- Reaction Map, Diagram, and Summary for first hit reaction
FHITCBIB --- FHIT, AN plus CBIB
FCRD ----- First hit in Compact Reaction Display (CRD) format
FCRDREF ---- First hit in Compact Reaction Display (CRD) format with CA reference information (SO, PY). (Default)
FPATH ----- PATH, plus Reaction Summary for the "long path"
FSPATH ----- SPATH, plus Reaction Summary for the "short path"
HIT ----- Reaction Map, Reaction Diagram, and Reaction Summary for all hit reactions and fields containing hit terms

OCC ----- All hit fields and the number of occurrences of the hit terms in each field. Includes total number of HIT, PATH, SPATH reactions. Labels reactions that have incomplete verifications.

PATH ----- Reaction Map and Reaction Diagram for the "long path". Displays all hit reactions, except those whose steps are totally included within another hit reaction which is displayed

RX ----- Hit Reactions (Map, Diagram, Summary for all hit reactions)

RXG ----- Hit Reaction Graphics (Map and Diagram for all hit reactions)

RXL ----- Hit Reaction Long (Map, Diagram, Summary for all hit reactions)

RXS ----- Hit Reaction Summaries (Map and Summary for all hit reactions)

SPATH ----- Reaction Map and Reaction Diagram for the "short path". Displays all single step reactions which contain a hit substance. Also displays those multistep reactions that have a hit substance in both the first and last steps of the reaction, except for those hit reactions whose steps are totally included within another hit reaction which is displayed

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of combinations include: D TI; D BIB RX; D TI, AU, FCRD. The information is displayed in the same order as the specification. All of the formats, except CRD, CRDREF, FHIT, PATH, FPATH, SPATH, FSPATH, FCRD, FCRDREF, HIT, RX, RXG, RXS, SCAN, and OCC, may be used with the DISPLAY command to display the record for a specified Accession Number.

ENTER DISPLAY FORMAT (FCRDREF):end

=> d l3 ibib abs hitstr 1-

YOU HAVE REQUESTED DATA FROM FILE 'CASREACT' - CONTINUE? (Y)/N:y

'HITSTR' IS NOT A VALID FORMAT FOR FILE 'CASREACT'

The following are valid formats:

ABS ----- GI and AB

ALL ----- BIB, AB, IND, RE, Single-step Reactions

APPS ----- AI, PRAI

BIB ----- AN, plus Bibliographic Data

CAN ----- List of CA abstract numbers without answer numbers

CBIB ----- AN, plus Compressed Bibliographic Data

DALL ----- ALL, delimited (end of each field identified)

IABS ----- ABS, indented with text labels

IALL ----- ALL, indented with text labels

IBIB ----- BIB, indented with text labels

IND ----- Indexing data

IPC ----- International Patent Classifications

ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)

OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations

SIBIB ----- IBIB, no citations

MAX ----- Same as ALL

PATS ----- PI, SO

SCAN ----- TI and FCRD (random display, no answer number. SCAN must be entered on the same line as DISPLAY, e.g.,

D SCAN.)

SSRX ----- Single-Step Reactions (Map, Diagram, and Summary for all single-step reactions)

STD ----- BIB, IPC, and NCL

CRD ----- Compact Display of All Hit Reactions

CRDREF ----- Compact Reaction Display and SO, PY for Reference

FHIT ----- Reaction Map, Diagram, and Summary for first hit reaction

FHITCBIB --- FHIT, AN plus CBIB

FCRD ----- First hit in Compact Reaction Display (CRD) format

FCRDREF ---- First hit in Compact Reaction Display (CRD) format with CA reference information (SO, PY). (Default)

FPATH ----- PATH, plus Reaction Summary for the "long path"

FSPATH ----- SPATH, plus Reaction Summary for the "short path"

HIT ----- Reaction Map, Reaction Diagram, and Reaction Summary for all hit reactions and fields containing hit terms

OCC ----- All hit fields and the number of occurrences of the hit terms in each field. Includes total number of HIT, PATH, SPATH reactions. Labels reactions that have incomplete verifications.

PATH ----- Reaction Map and Reaction Diagram for the "long path". Displays all hit reactions, except those whose steps are totally included within another hit reaction which is displayed

RX ----- Hit Reactions (Map, Diagram, Summary for all hit reactions)

RXG ----- Hit Reaction Graphics (Map and Diagram for all hit reactions)

RXL ----- Hit Reaction Long (Map, Diagram, Summary for all hit reactions)

RXS ----- Hit Reaction Summaries (Map and Summary for all hit reactions)

SPATH ----- Reaction Map and Reaction Diagram for the "short path". Displays all single step reactions which contain a hit substance. Also displays those multistep reactions that have a hit substance in both the first and last steps of the reaction, except for those hit reactions whose steps are totally included within another hit reaction which is displayed

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of combinations include: D TI; D BIB RX; D TI, AU, FCRD. The information is displayed in the same order as the specification. All of the formats, except CRD, CRDREF, FHIT, PATH, FPATH, SPATH, FSPATH, FCRD, FCRDREF, HIT, RX, RXG, RXS, SCAN, and OCC, may be used with the DISPLAY command to display the record for a specified Accession Number.

ENTER DISPLAY FORMAT (FCRDREF):end

=> d 13 ibib abs

YOU HAVE REQUESTED DATA FROM FILE 'CASREACT' - CONTINUE? (Y)/N:y

L3 ANSWER 1 OF 1 CASREACT COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 135:344284 CASREACT

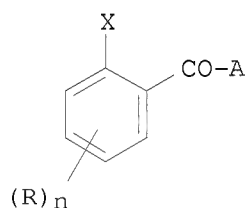
TITLE: Process for the preparation of 2-halobenzoic acids by palladium-catalyzed regioselective halogenation of benzoic acids

INVENTOR(S): Kodama, Hiroki; Katsuhira, Takeshi; Nishida, Tateki; Hino, Tomokazu; Tsubata, Kenji

PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001083421	A1	20011108	WO 2001-JP3707	20010427
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001052638	A	20011112	AU 2001-52638	20010427
EP 1277726	A1	20030122	EP 2001-926032	20010427
EP 1277726	B1	20070103		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
HU 2003000592	A2	20030728	HU 2003-592	20010427
HU 2003000592	A3	20051128		
TW 282786	B	20070621	TW 2001-90110105	20010427
JP 2002338516	A	20021127	JP 2001-134049	20010501
IN 2002CN01739	A	20050211	IN 2002-CN1739	20021023
US 2003181759	A1	20030925	US 2003-258478	20030529
US 7057067	B2	20060606		
IN 2007CN01448	A	20071116	IN 2007-CN1448	20070409
PRIORITY APPLN. INFO.:				
			JP 2000-131032	20000428
			JP 2001-76073	20010316
			WO 2001-JP3707	20010427
			IN 2002-CN1739	20021023

OTHER SOURCE(S): MARPAT 135:344284
 GI



AB A process for the preparation of 2-halobenzoic acids of the general formula [I; A is OH, OM (wherein M is an alkali metal), or NR₆R₇ (wherein R₆ and R₇ are each H, C1-6 alkyl, optionally substituted Ph, or the like); R is H, C1-6 alkyl, C1-6 alkylcarbonyl, carboxyl, C1-12 alkoxy carbonyl, optionally substituted phenylcarbonyl, or the like; n is 0 to 4; and X is Cl, Br, or iodo, or alternatively nR's may be present on benzene-constituting carbon atoms adjacent to each other and form a C3-4 alkylene or C3-4 alkenylene-fused ring.] is characterized by reacting a benzoic acid of the general formula I (X = H; A, R, n = same as above) with a halogenating agent in the presence of a Pd catalyst. This process provides regioselective halogenation under mild conditions. Thus, 0.3 g o-toluic acid, 0.5 g N-iodosuccinimide, and 11 mL DMF were added to 50 mg Pd(OAc)₂

in a 50 mL glass reaction vessel and stirred at 100° for 6 h to
give 92% 2-iodo-6-methylbenzoic acid with 100% regioselectivity.
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	1.44	127.49
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.75

FILE 'REGISTRY' ENTERED AT 15:23:42 ON 19 MAR 2008
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STRUCTURE FILE UPDATES: 18 MAR 2008 HIGHEST RN 1008796-87-9
DICTIONARY FILE UPDATES: 18 MAR 2008 HIGHEST RN 1008796-87-9

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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10584221-product.str

L4 STRUCTURE UPLOADED

=> d 14
L4 HAS NO ANSWERS
L4 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s 14
SAMPLE SEARCH INITIATED 15:24:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 11999 TO ITERATE

16.7% PROCESSED 2000 ITERATIONS 36 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 233416 TO 246544
PROJECTED ANSWERS: 3438 TO 5200

L5 36 SEA SSS SAM L4

=> s 14 full
FULL SEARCH INITIATED 15:24:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 241591 TO ITERATE

100.0% PROCESSED 241591 ITERATIONS 3471 ANSWERS
SEARCH TIME: 00.00.04

L6 3471 SEA SSS FUL L4

=>
Uploading C:\Program Files\Stnexp\Queries\10584221-start-mat.str

L7 STRUCTURE UPLOADED

=> s 17 full
FULL SEARCH INITIATED 15:25:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 338183 TO ITERATE

100.0% PROCESSED 338183 ITERATIONS 9591 ANSWERS
SEARCH TIME: 00.00.11

L8 9591 SEA SSS FUL L7

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	357.64	485.13
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.75

FILE 'CAPLUS' ENTERED AT 15:25:49 ON 19 MAR 2008
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FILE COVERS 1907 - 19 Mar 2008 VOL 148 ISS 12
FILE LAST UPDATED: 18 Mar 2008 (20080318/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 16 and 18
155 L6

1702 L8
L9 52 L6 AND L8

=> s 19 and catalyst
794610 CATALYST
L10 2 L9 AND CATALYST

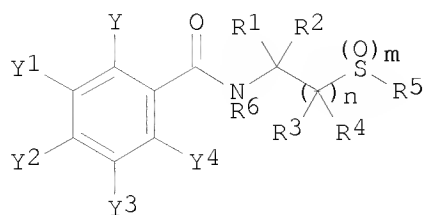
=> s 19 and palladium
175682 PALLADIUM
L11 2 L9 AND PALLADIUM

=> s 110 or 111
L12 2 L10 OR L11

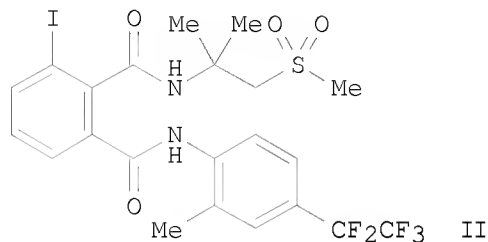
=> d 112 ibib abs hitstr 1-
YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:612248 CAPLUS
DOCUMENT NUMBER: 143:133190
TITLE: Process for the preparation of 2-halogenobenzamide
derivatives
INVENTOR(S): Abe, Noboru; Kodama, Hiroki; Yoshiura, Akihiko
PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005063703	A1	20050714	WO 2004-JP19234	20041222
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1698619	A1	20060906	EP 2004-807591	20041222
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1906158	A	20070131	CN 2004-80038873	20041222
JP 2005206593	A	20050804	JP 2004-373961	20041224
IN 2006CN02335	A	20070706	IN 2006-CN2335	20060626
US 2007293701	A1	20071220	US 2007-584221	20070620
PRIORITY APPLN. INFO.:			JP 2003-431988	A 20031226
			WO 2004-JP19234	W 20041222
OTHER SOURCE(S):		MARPAT 143:133190		
GI				

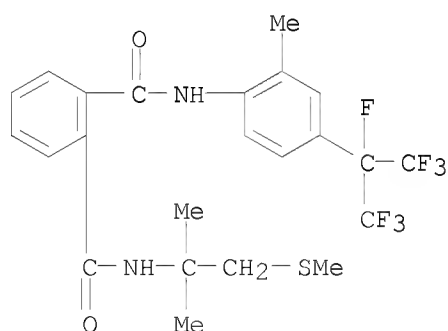


I

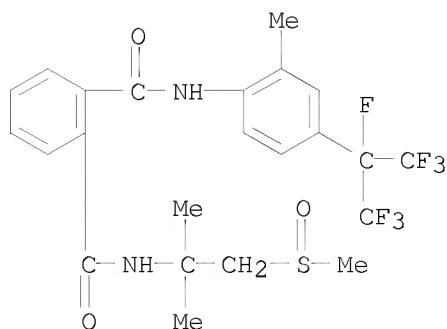


II

- AB A process for the preparation of title compds. of formula I [Y = Cl, Br or iodo; R1-R4, R6 = independently H or alkyl; R5 = alkyl; m = 2; n = 1 or 2; Y1-Y4 = independently H, halo, cyano, nitro, alkyl, etc.] comprising reacting a compound I (Y = H, m = 0 or 1, the others are defined as above) with a halogenating agent in the presence of a palladium catalyst and then reacting with an oxidizing agent is disclosed. For example, II was given in a multi-step synthesis starting from phthalic acid anhydride. The title compound is useful as a raw material or active ingredient for medicines and agricultural chems. (no data).
- IT 371771-01-6P 371771-07-2P 858658-99-8P
 RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of 2-halogenobenzamide derivs. by Pd-catalyzed halogenation and oxidation of correspond benzamides)
- RN 371771-01-6 CAPLUS
- CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-N'-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)

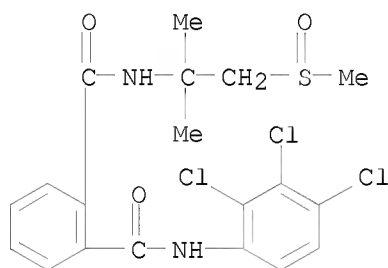


- RN 371771-07-2 CAPLUS
- CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-N'-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



RN 858658-99-8 CAPLUS

CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-N'-(2,3,4-trichlorophenyl)- (9CI) (CA INDEX NAME)



IT 272451-63-5P 272451-65-7P 474558-18-4P

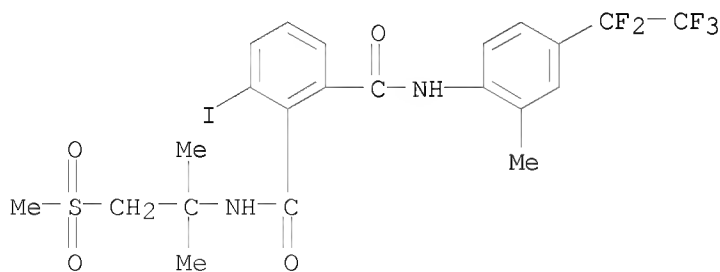
858658-98-7P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(preparation of 2-halogenobenzamide derivs. by Pd-catalyzed halogenation and oxidation of correspond benzamides)

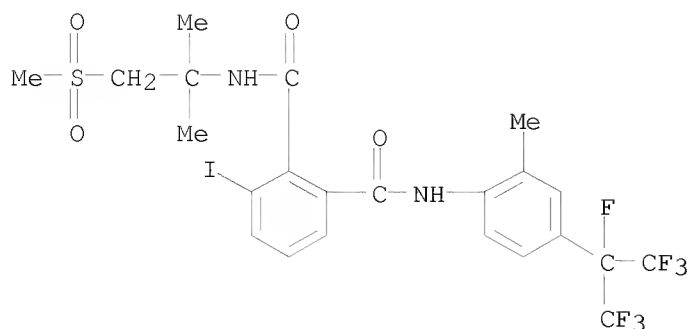
RN 272451-63-5 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-N1-[2-methyl-4-(pentafluoroethyl)phenyl]- (9CI) (CA INDEX NAME)



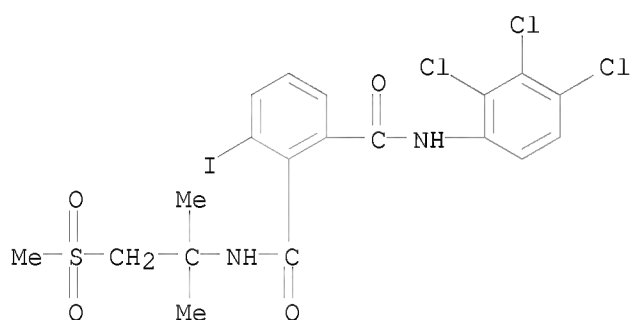
RN 272451-65-7 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



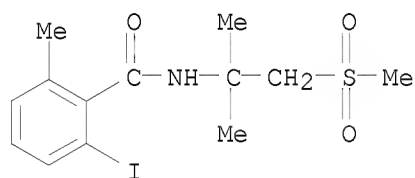
RN 474558-18-4 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-N1-(2,3,4-trichlorophenyl)- (CA INDEX NAME)



RN 858658-98-7 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-(methylsulfonyl)ethyl]-2-iodo-6-methyl- (CA INDEX NAME)



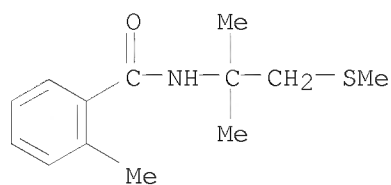
IT 858659-00-4 858659-01-5

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of 2-halogenobenzamide derivs. by Pd-catalyzed halogenation and oxidation of correspond benzamides)

RN 858659-00-4 CAPLUS

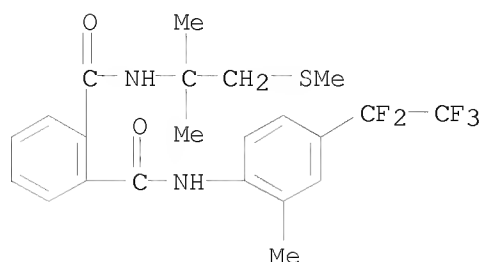
CN Benzamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-2-methyl- (CA INDEX NAME)



RN 858659-01-5 CAPLUS

CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-N'-[2-

methyl-4-(pentafluoroethyl)phenyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:816609 CAPLUS

DOCUMENT NUMBER: 135:344284

TITLE: Process for the preparation of 2-halobenzoic acids by palladium-catalyzed regioselective halogenation of benzoic acids

INVENTOR(S): Kodama, Hiroki; Katsuhira, Takeshi; Nishida, Tateki; Hino, Tomokazu; Tsubata, Kenji

PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan

SOURCE: PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

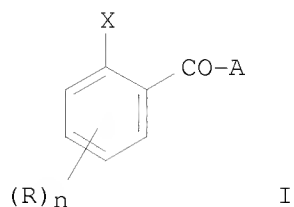
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

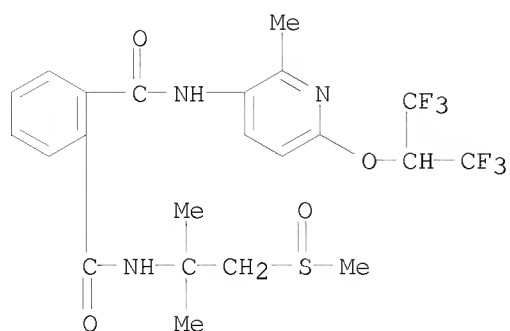
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001083421	A1	20011108	WO 2001-JP3707	20010427
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 2001052638	A	20011112	AU 2001-52638	20010427
EP 1277726	A1	20030122	EP 2001-926032	20010427
EP 1277726	B1	20070103		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
HU 2003000592	A2	20030728	HU 2003-592	20010427
HU 2003000592	A3	20051128		
TW 282786	B	20070621	TW 2001-90110105	20010427
JP 2002338516	A	20021127	JP 2001-134049	20010501
IN 2002CN01739	A	20050211	IN 2002-CN1739	20021023
US 2003181759	A1	20030925	US 2003-258478	20030529
US 7057067	B2	20060606		
IN 2007CN01448	A	20071116	IN 2007-CN1448	20070409
PRIORITY APPLN. INFO.:			JP 2000-131032	A 20000428
			JP 2001-76073	A 20010316
			WO 2001-JP3707	W 20010427
			IN 2002-CN1739	A3 20021023

OTHER SOURCE(S): CASREACT 135:344284; MARPAT 135:344284

GI

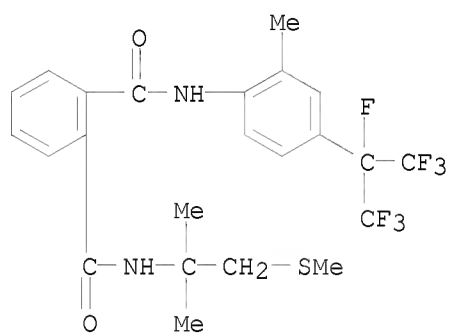


- AB A process for the preparation of 2-halobenzoic acids of the general formula [I; A is OH, OM (wherein M is an alkali metal), or NR₆R₇ (wherein R₆ and R₇ are each H, C1-6 alkyl, optionally substituted Ph, or the like); R is H, C1-6 alkyl, C1-6 alkylcarbonyl, carboxyl, C1-12 alkoxy carbonyl, optionally substituted phenylcarbonyl, or the like; n is 0 to 4; and X is Cl, Br, or iodo, or alternatively nR's may be present on benzene-constituting carbon atoms adjacent to each other and form a C3-4 alkylene or C3-4 alkenylene-fused ring.] is characterized by reacting a benzoic acid of the general formula I (X = H; A, R, n = same as above) with a halogenating agent in the presence of a Pd catalyst. This process provides regioselective halogenation under mild conditions. Thus, 0.3 g o-toluic acid, 0.5 g N-iodosuccinimide, and 11 mL DMF were added to 50 mg Pd(OAc)₂ in a 50 mL glass reaction vessel and stirred at 100° for 6 h to give 92% 2-iodo-6-methylbenzoic acid with 100% regioselectivity.
- IT 317812-34-3, 2-(((1,1-Dimethyl-2-methylsulfinylethyl)amino)carbonyl)-N-(6-(1,1,1,3,3,3-hexafluoropropan-2-yloxy)-2-methylpyridin-3-yl)benzamide 371771-01-6 371771-03-8
371771-05-0 371771-07-2 371771-08-3,
2-(((1,1-Dimethyl-2-methylsulfinylethyl)amino)carbonyl)benzoic acid methyl ester 371771-18-5, N-(1,1-Dimethyl-2-methylthioethyl)-2-nitrobenzamide 371771-20-9 371771-22-1
371771-24-3 371771-26-5 371771-28-7
371771-30-1 371771-32-3 371771-34-5,
2-(4-Chloro-2-methylphenoxy)-N-(1,1-dimethyl-2-methylthioethyl)benzamide 371771-36-7, 2-(3-Chloro-5-trifluoromethylpyridin-2-yloxy)-N-(1,1-dimethyl-2-methylthioethyl)benzamide 371771-38-9,
2-(4,6-Dimethoxypyrimidin-2-yloxy)-N-(1,1-dimethyl-2-methylthioethyl)benzamide 371771-40-3, 2-(4-Trifluoromethylphenyl)-N-(1,1-dimethyl-2-methylthioethyl)benzamide 371771-42-5, 2-(4-Trifluoromethylphenyl)-N-(1,1-dimethyl-2-methylsulfinylethyl)benzamide 371771-51-6, 2-(((1,1-Dimethyl-2-methylsulfinylethyl)amino)carbonyl)benzoic acid n-butyl ester
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of 2-halobenzoic acids by regioselective halogenation of benzoic acids in presence of palladium compound)
- RN 317812-34-3 CAPLUS
- CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-N'-[2-methyl-6-[2,2,2-trifluoro-1-(trifluoromethyl)ethoxy]-3-pyridinyl]- (9CI)
(CA INDEX NAME)



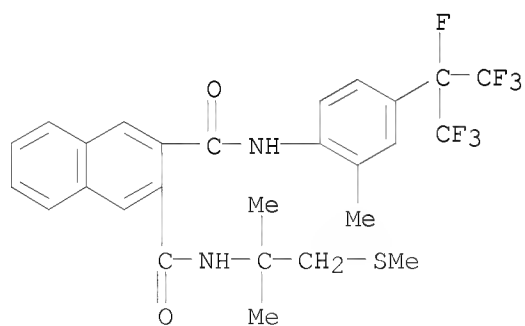
RN 371771-01-6 CAPLUS

CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-N'-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



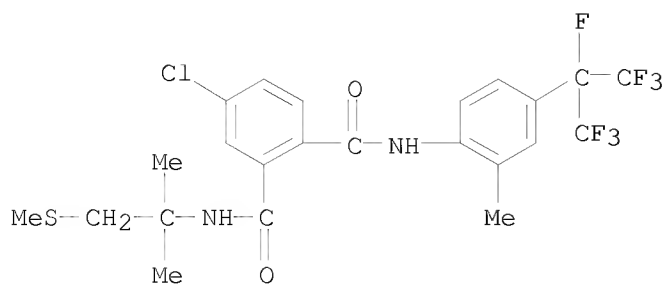
RN 371771-03-8 CAPLUS

CN 2,3-Naphthalenedicarboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-N'-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



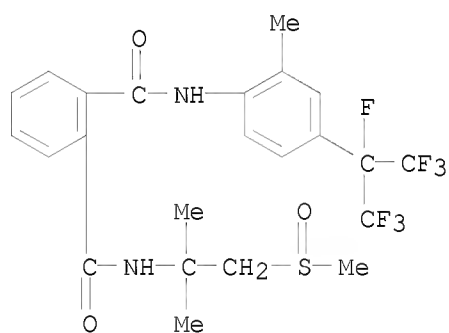
RN 371771-05-0 CAPLUS

CN 1,2-Benzenedicarboxamide, 4-chloro-N2-[1,1-dimethyl-2-(methylthio)ethyl]-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



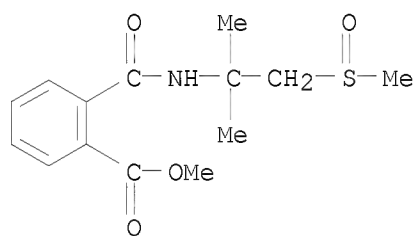
RN 371771-07-2 CAPLUS

CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-N'-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



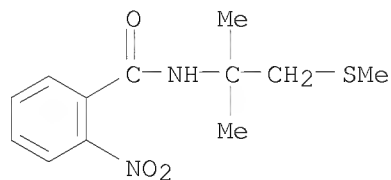
RN 371771-08-3 CAPLUS

CN Benzoic acid, 2-[[[1,1-dimethyl-2-(methylsulfinyl)ethyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)



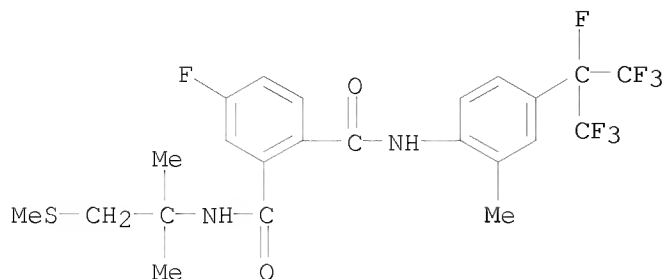
RN 371771-18-5 CAPLUS

CN Benzamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-2-nitro- (CA INDEX NAME)



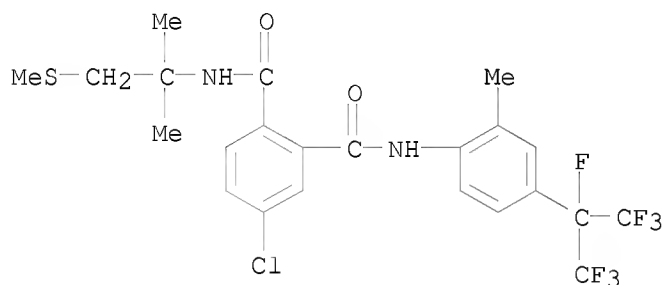
RN 371771-20-9 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-4-fluoro-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



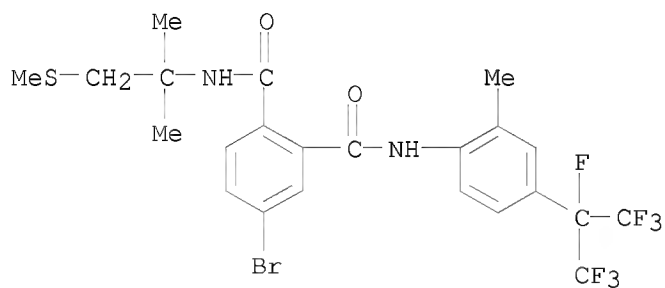
RN 371771-22-1 CAPLUS

CN 1,2-Benzenedicarboxamide, 4-chloro-N1-[1,1-dimethyl-2-(methylthio)ethyl]-N2-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



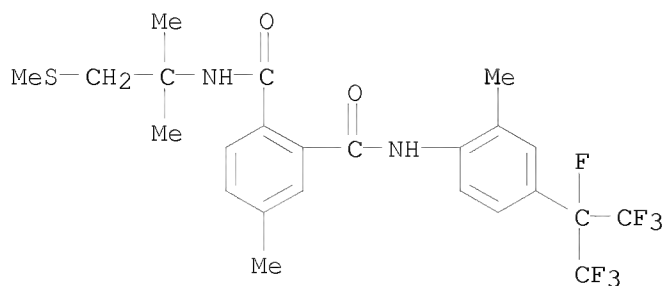
RN 371771-24-3 CAPLUS

CN 1,2-Benzenedicarboxamide, 4-bromo-N1-[1,1-dimethyl-2-(methylthio)ethyl]-N2-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



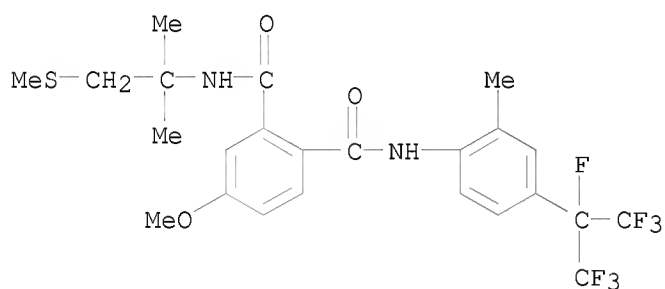
RN 371771-26-5 CAPLUS

CN 1,2-Benzenedicarboxamide, N1-[1,1-dimethyl-2-(methylthio)ethyl]-4-methyl-N2-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



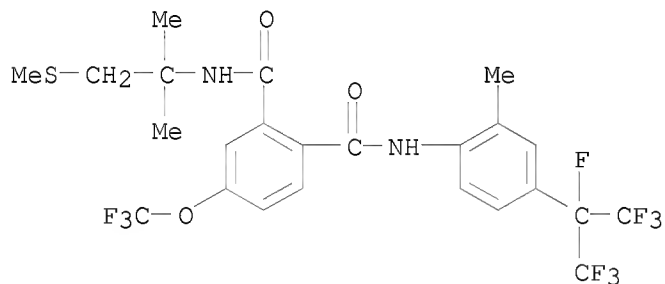
RN 371771-28-7 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-4-methoxy-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



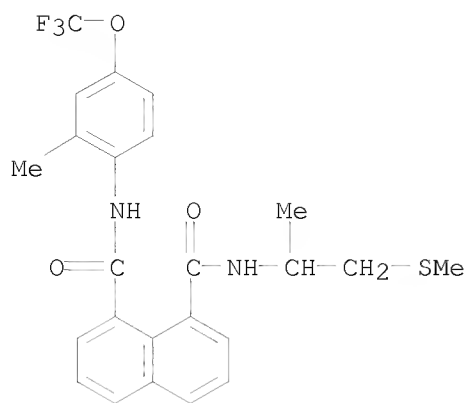
RN 371771-30-1 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

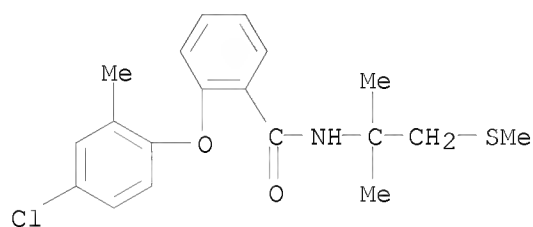


RN 371771-32-3 CAPLUS

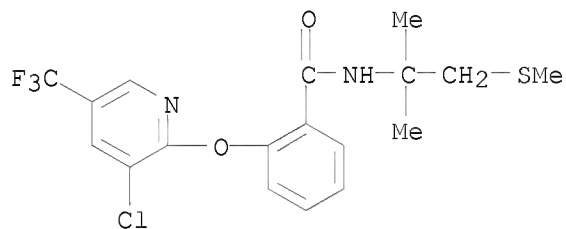
CN 1,8-Naphthalenedicarboxamide, N-[1-methyl-2-(methylthio)ethyl]-N'-[2-methyl-4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



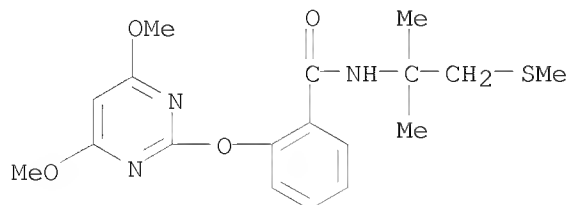
RN 371771-34-5 CAPLUS
 CN Benzamide, 2-(4-chloro-2-methylphenoxy)-N-[1,1-dimethyl-2-(methylthio)ethyl]- (CA INDEX NAME)



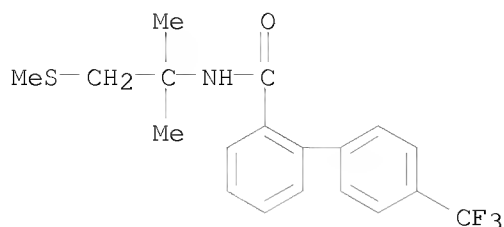
RN 371771-36-7 CAPLUS
 CN Benzamide, 2-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]-N-[1,1-dimethyl-2-(methylthio)ethyl]- (CA INDEX NAME)



RN 371771-38-9 CAPLUS
 CN Benzamide, 2-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-N-[1,1-dimethyl-2-(methylthio)ethyl]- (CA INDEX NAME)

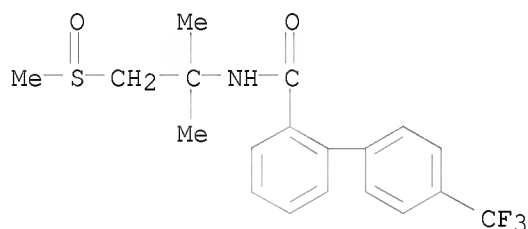


RN 371771-40-3 CAPLUS
 CN [1,1'-Biphenyl]-2-carboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-4'-(trifluoromethyl)- (CA INDEX NAME)



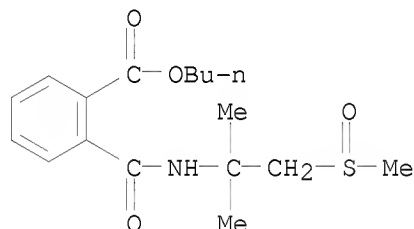
RN 371771-42-5 CAPLUS

CN [1,1'-Biphenyl]-2-carboxamide, N-[1,1-dimethyl-2-(methylsulfinylethyl)]-4'-(trifluoromethyl)- (CA INDEX NAME)



RN 371771-51-6 CAPLUS

CN Benzoic acid, 2-[[[1,1-dimethyl-2-(methylsulfinylethyl)amino]carbonyl]-, butyl ester (CA INDEX NAME)

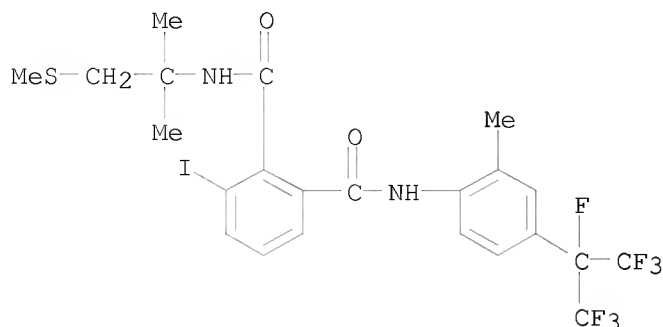


IT 272451-61-3P 272451-69-1P 317812-12-7P,
2-(((1,1-Dimethyl-2-methylsulfinylethyl)amino)carbonyl)-N-(6-(1,1,1,3,3,3-hexafluoropropan-2-yloxy)-2-methylpyridin-3-yl)-3-iodobenzamide
371771-04-9P 371771-06-1P 371771-09-4P,
3-Iodo-2-(((1,1-dimethyl-2-methylsulfinylethyl)amino)carbonyl)benzoic acid
methyl ester 371771-19-6P, N-(1,1-Dimethyl-2-methylthioethyl)-2-
iodo-6-nitrobenzamide 371771-21-0P 371771-23-2P
371771-25-4P 371771-27-6P 371771-29-8P
371771-31-2P 371771-33-4P 371771-35-6P,
2-(4-Chloro-2-methylphenoxy)-N-(1,1-dimethyl-2-methylthioethyl)-6-
iodobenzamide 371771-37-8P, 2-(3-Chloro-5-trifluoromethylpyridin-
2-yloxy)-N-(1,1-dimethyl-2-methylthioethyl)-6-iodobenzamide
371771-39-0P, 2-(4,6-Dimethoxypyrimidin-2-yloxy)-N-(1,1-dimethyl-2-
methylthioethyl)-6-iodobenzamide 371771-41-4P,
2-(4-Trifluoromethylphenyl)-6-iodo-N-(1,1-dimethyl-2-
methylthioethyl)benzamide 371771-43-6P, 2-(4-
Trifluoromethylphenyl)-6-iodo-N-(1,1-dimethyl-2-
methylsulfinylethyl)benzamide 371771-52-7P, 2-(((1,1-Dimethyl-2-
methylsulfinylethyl)amino)carbonyl)-3-iodobenzoic acid n-butyl ester
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of 2-halobenzoic acids by regioselective halogenation of

benzoic acids in presence of palladium compound)

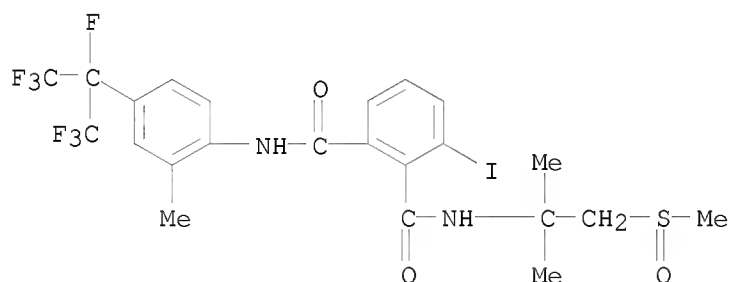
RN 272451-61-3 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



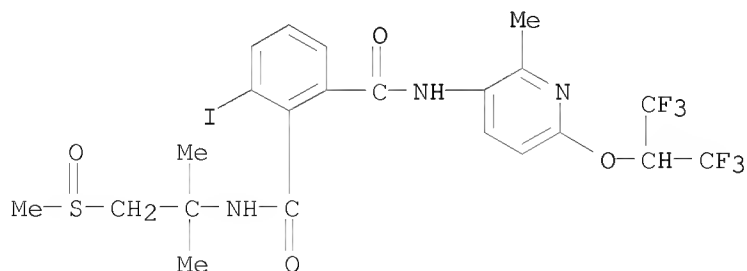
RN 272451-69-1 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



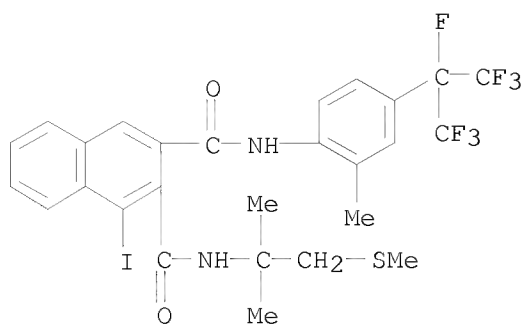
RN 317812-12-7 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-3-iodo-N1-[2-methyl-6-[2,2,2-trifluoro-1-(trifluoromethyl)ethoxy]-3-pyridinyl]- (CA INDEX NAME)



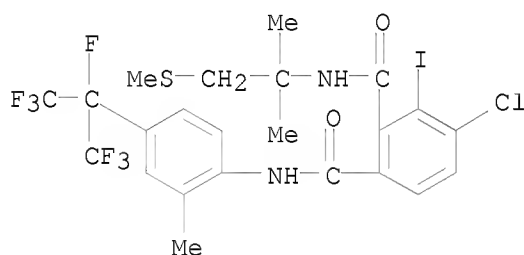
RN 371771-04-9 CAPLUS

CN 2,3-Naphthalenedicarboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-1-iodo-N'-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



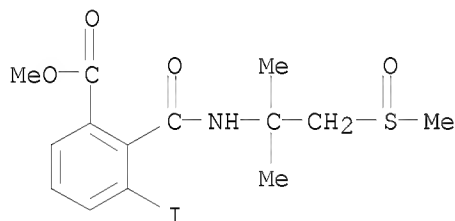
RN 371771-06-1 CAPLUS

CN 1,2-Benzenedicarboxamide, 4-chloro-N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



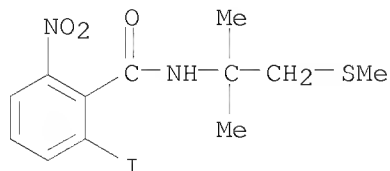
RN 371771-09-4 CAPLUS

CN Benzoic acid, 2-[[[1,1-dimethyl-2-(methylsulfinyl)ethyl]amino]carbonyl]-3-iodo-, methyl ester (CA INDEX NAME)



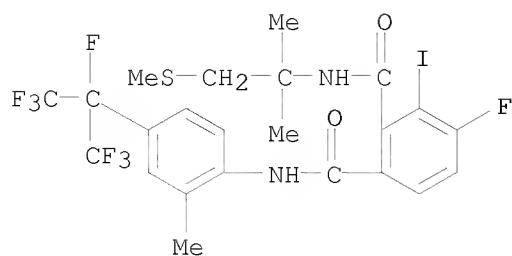
RN 371771-19-6 CAPLUS

CN Benzoamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-2-iodo-6-nitro- (CA INDEX NAME)



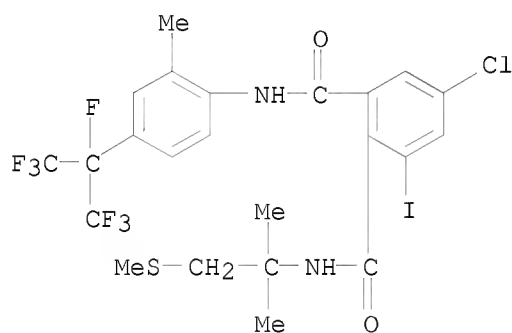
RN 371771-21-0 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-4-fluoro-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



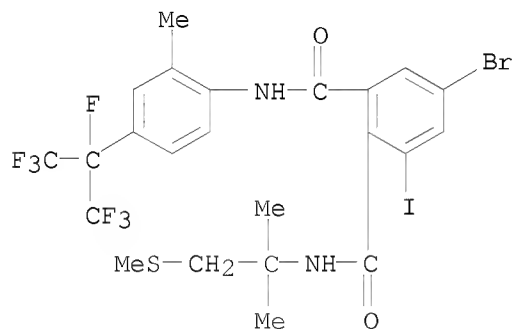
RN 371771-23-2 CAPLUS

CN 1,2-Benzenedicarboxamide, 5-chloro-N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



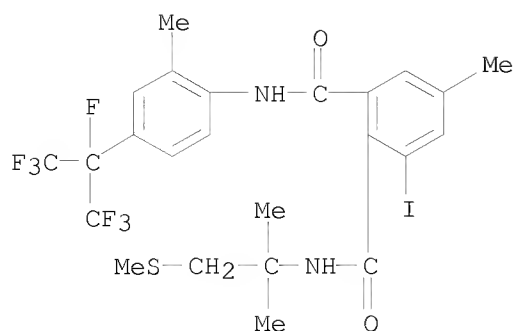
RN 371771-25-4 CAPLUS

CN 1,2-Benzenedicarboxamide, 5-bromo-N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



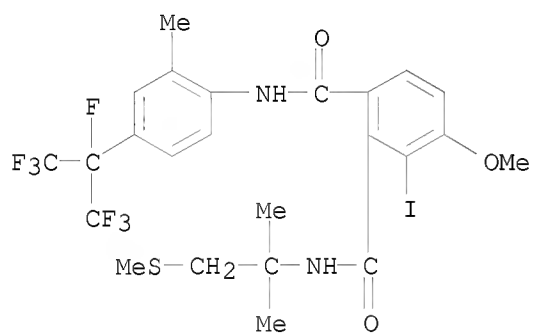
RN 371771-27-6 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-5-methyl-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



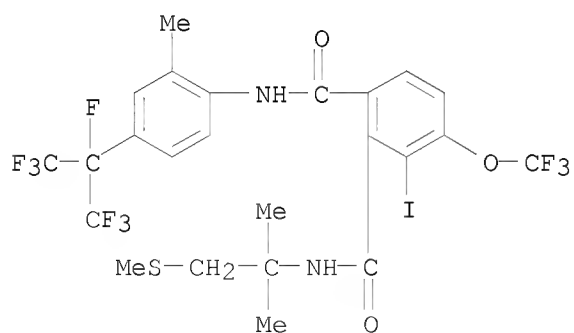
RN 371771-29-8 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-4-methoxy-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



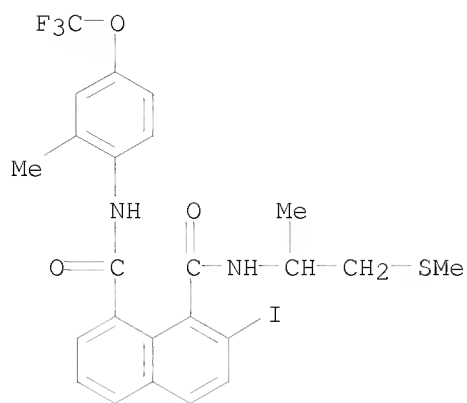
RN 371771-31-2 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-4-(trifluoromethoxy)- (CA INDEX NAME)



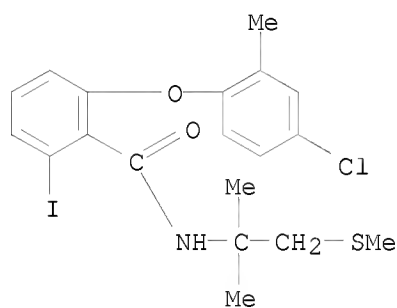
RN 371771-33-4 CAPLUS

CN 1,8-Naphthalenedicarboxamide, 2-iodo-N1-[1-methyl-2-(methylthio)ethyl]-N8-[2-methyl-4-(trifluoromethoxy)phenyl]- (CA INDEX NAME)



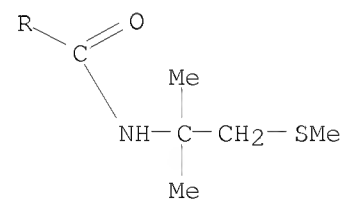
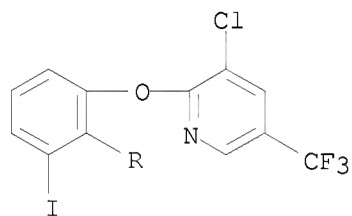
RN 371771-35-6 CAPLUS

CN Benzamide, 2-(4-chloro-2-methylphenoxy)-N-[1,1-dimethyl-2-(methylthio)ethyl]-6-iodo- (CA INDEX NAME)



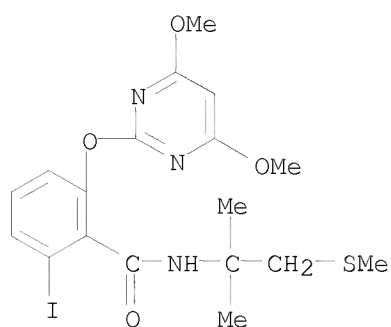
RN 371771-37-8 CAPLUS

CN Benzamide, 2-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]-N-[1,1-dimethyl-2-(methylthio)ethyl]-6-iodo- (CA INDEX NAME)



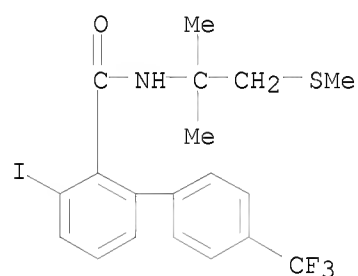
RN 371771-39-0 CAPLUS

CN Benzamide, 2-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-N-[1,1-dimethyl-2-(methylthio)ethyl]-6-iodo- (CA INDEX NAME)



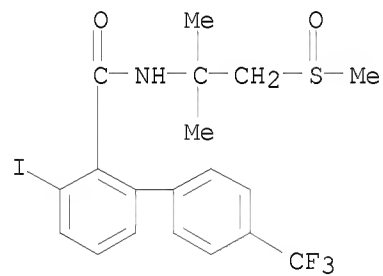
RN 371771-41-4 CAPLUS

CN [1,1'-Biphenyl]-2-carboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-4'-(trifluoromethyl)- (CA INDEX NAME)



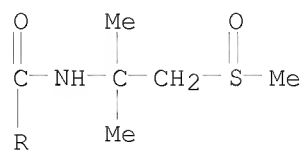
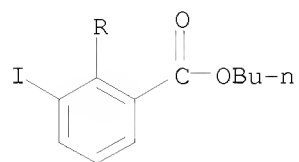
RN 371771-43-6 CAPLUS

CN [1,1'-Biphenyl]-2-carboxamide, N-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-3-iodo-4'-(trifluoromethyl)- (CA INDEX NAME)



RN 371771-52-7 CAPLUS

CN Benzoic acid, 2-[[[1,1-dimethyl-2-(methylsulfinyl)ethyl]amino]carbonyl]-3-iodo-, butyl ester (CA INDEX NAME)



REFERENCE COUNT:

1

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